

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73606-25

Name Seven Oaks CC City Bakersfield State CAIndependent Consultant Soil and Water Consulting Date 6/25/2021

Sample Location ISLAND			GREEN	GREEN	GREEN	GREEN	GREEN
Sample Identification			1	2	5	6	7
Lab Number			1141-1	1142-1	1143-1	1144-1	1145-1
Total Exchange Capacity (ME/100 g)			2.97	3.08	3.09	3.96	2.33
pH (H ₂ O 1:1)			7.3	a 7.6	a 7.4	a 7.8	a 7.5
Organic Matter (360°C LOI) %			0.40	0.42	0.51	0.36	0.45
Estimated Nitrogen Release lb/A			16	17	20	14	18
ANIONS	SOLUBLE SULFUR* ppm		7	16	14	52	8
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P					
		BRAY II lb/A P as P ₂ O ₅ ppm of P					
		OLSEN lb/A P as P ₂ O ₅ ppm of P	27 6	50 11	115 25	69 15	69 15
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		852 426	830 415	856 428	1048 524	648 324
	MAGNESIUM* lb/A ppm		102 51	116 58	106 53	142 71	94 47
	POTASSIUM* lb/A ppm		156 78	218 109	216 108	288 144	114 57
	SODIUM* lb/A ppm		42 21	56 28	48 24	108 54	38 19
	BASE SATURATION PERCENT						
	Calcium	%	71.72	67.37	69.26	66.16	69.53
	Magnesium	%	14.31	15.69	14.29	14.94	16.81
	Potassium	%	6.73	9.07	8.96	9.32	6.27
	Sodium	%	3.07	3.95	3.38	5.93	3.55
	Other Bases	%	4.10	3.80	4.00	3.60	3.90
	Hydrogen	%	0.00	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS							
Boron** (ppm)			0.44	0.57	0.50	0.70	0.41
Iron** (ppm)			115	130	115	114	107
Manganese** (ppm)			37	38	45	35	38
Copper** (ppm)			1.81	2.00	1.91	1.51	1.89
Zinc** (ppm)			4.52	3.78	6.42	3.94	4.40
Aluminum** (ppm)			116	130	95	94	108
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		2.6	3.4	6.4	2.2	1.9
	NH ₄ -N (ppm)		2.3	0.6	1.8	1.9	4.6

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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 Independent Consultant Soil and Water Consulting Date 6/25/2021

Sample Location		ISLAND	GREEN				
Sample Identification			8				
Lab Number			1146-1				
Total Exchange Capacity (ME/100 g)			2.61				
pH (H ₂ O 1:1)			7.2				
Organic Matter (360°C LOI) %			0.41				
Estimated Nitrogen Release lb/A			16				
ANIONS	SOLUBLE SULFUR*	ppm	6				
	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P					
	BRAY II	lb/A P as P ₂ O ₅ ppm of P					
	OLSEN	lb/A P as P ₂ O ₅ ppm of P	60 13				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	742 371				
	MAGNESIUM*	lb/A ppm	92 46				
	POTASSIUM*	lb/A ppm	146 73				
	SODIUM*	lb/A ppm	34 17				
BASE SATURATION PERCENT							
	Calcium	%	71.07				
	Magnesium	%	14.69				
	Potassium	%	7.17				
	Sodium	%	2.83				
	Other Bases	%	4.20				
	Hydrogen	%	0.00				
EXTRACTABLE MINORS							
	Boron** (ppm)		0.52				
	Iron** (ppm)		130				
	Manganese** (ppm)		51				
	Copper** (ppm)		2.12				
	Zinc** (ppm)		6.85				
	Aluminum** (ppm)		111				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		4.8				
	NH ₄ -N (ppm)		2.3				

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable